



Crop Weather Report

Issue: 07-36

Issued: Weekly: Apr-Oct
Monthly: Nov-Mar

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For the Month Ending:
Dec. 31, 2007

Weather Summary

For the month ending December 31st, most areas of Montana experienced below normal precipitation. Swan Lake received the most accumulated moisture at 5.01 inches, and Thompson Falls had the second highest amount with 4.34 inches. Temperatures were above normal during the month. Jordan had the high of 67 degrees. Culbertson had the low of negative 20 degrees. Topsoil moisture adequate and surplus is 30 percent, below last month's 44 percent and last year's 67 percent. Subsoil moisture adequate and surplus, at 22 percent, is below last month's 31 percent and last year's 41 percent.

The weather outlook for January 14th through January 20th is for above normal temperatures and below normal precipitation east of the continental divide and for near normal temperatures and below normal precipitation west of the divide. Normal temperatures for this period in Montana are highs in the upper teens to the mid 30s and lows ranging from zero to the mid teens.

Livestock Report

Range and pasture feed conditions are worse than last month but better than last year. Twenty-six percent is in good to excellent condition. Eighty-four percent of pastures are open for livestock grazing, slightly more than last year.

Pasture Condition and Feed	This Month	Last Month	Last Year
Range and Pasture Feed Condition			
Very Poor	16	13	19
Poor	19	17	22
Fair	39	41	43
Good	23	27	12
Excellent	3	2	4
Livestock Grazing			
Open	84	n/a	82
Difficult	11	n/a	13
Closed	5	n/a	5
Receiving Supplemental Feed			
Cattle & Calves	81	57	79
Sheep & Lambs	84	58	83

Soil Moisture Table	This Month	Last Month	Last Year
Topsoil Moisture			
Very Short	24	10	6
Short	46	46	27
Adequate	28	43	66
Surplus	2	1	1
Subsoil Moisture			
Very Short	36	24	12
Short	42	45	47
Adequate	21	30	40
Surplus	1	1	1

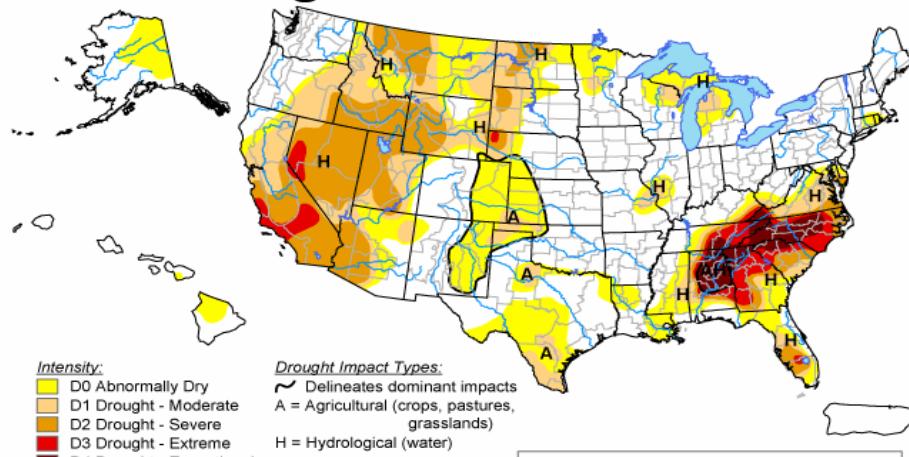
Field Crops Report

The state has received little to no moisture so far this winter. Fields are very dry. Winter wheat has little snow cover. Thirty-three percent of winter wheat is good to excellent compared with 58 percent last year.

Crop Condition Table	This Month	Last Month	Last Year
Winter Wheat			
Very Poor	2	1	1
Poor	11	4	5
Fair	54	44	36
Good	29	49	47
Excellent	4	2	11
Winter Wheat-Wind Damage			
None	56	n/a	48
Light	38	n/a	45
Moderate	6	n/a	7
Heavy	0	n/a	0
Winter Wheat-Freeze and Drought Damage			
None	55	n/a	54
Light	36	n/a	41
Moderate	8	n/a	5
Heavy	1	n/a	0
Winter Wheat- Protectiveness of Snow Cover			
Very Poor	88	n/a	61
Poor	7	n/a	12
Fair	3	n/a	13
Good	2	n/a	8
Excellent	0	n/a	6

U.S. Drought Monitor

January 1, 2008
Valid 7 a.m. EST



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://drought.unl.edu/dm>

USDA
National Drought Mitigation Center
NOAA/NESDIS/NCDC

Released Thursday, January 3, 2008
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Completed and Summarized by:
USDA, NASS, Montana Field Office

THIS INFORMATION IS ALSO AVAILABLE ON THE INTERNET AT: <http://www.nass.usda.gov/mt/>
In conjunction with: MSU Extension Agents
USDA County Service Centers

Weather Information for the Month ending 12/30/2007

Station	Temperature				Precipitation December			Precipitation October 1 to date		
	Hi	Low	Avg	DFN	Total	DFN	% Nrm	Total	DFN	% Nrm
NORTHWEST										
Alberton	41	7	27	+4	2.39	+1.23	206	6.24	+3.53	230
Anaconda	48	-2	24	+0	0.36	-0.30	55	3.29	+0.97	142
Clinton	39	-1	23	-1	1.03	-0.13	89	4.36	+1.65	161
Corvallis	51	8	29	+5	0.66	-0.43	61	2.92	+0.00	100
Creston	47	6	27	+3	0.70	-1.00	41	1.92	-2.47	44
Deer Lodge	46	-1	24	+5	0.10	-0.34	23	1.49	-0.03	98
Drummond	45	-7	24	+3	0.14	-0.77	15	2.86	+0.42	117
Hamilton	54	6	30	+5	1.13	+0.04	104	3.98	+1.06	136
Kalispell	49	5	28	+6	1.33	-0.40	77	2.80	-1.10	72
Missoula	50	10	28	+6	0.62	-0.54	53	2.76	+0.05	102
Olney	43	-14	20	-2	3.70	+1.24	150	6.90	+0.83	114
Polson	50	7	28	+2	0.81	-0.47	63	2.69	-0.75	78
St Ignatius	54	2	29	+3	0.47	-0.65	42	2.00	-1.17	63
Seeley Lake	44	-4	23	+3	2.57	-0.15	94	5.47	-0.58	90
Sula	47	-8	22	+0	1.29	+0.21	119	4.05	+0.70	121
Superior	42	10	29	+3	2.74	+1.05	162	6.20	+1.76	140
Swan Lake	45	1	26	+3	5.01	+1.72	152	8.90	+0.30	103
Thompson Falls	44	10	31	+3	4.34	+1.54	155	9.34	+2.36	134
West Glacier	42	6	26	+3	3.92	+0.59	118	8.87	+0.38	104
NORTH CENTRAL										
Chester	55	-11	18	+2	0.28	-0.18	61	0.67	-0.52	56
Chinook	58	-18	18	+2	0.45	-0.08	85	1.13	-0.31	78
Choteau	56	-11	26	+2	0.01	-0.35	3	1.54	+0.44	140
Cut Bank	57	-4	25	+6	0.00	-0.33	0	0.80	-0.30	73
Ft Assinniboine	54	-8	20	+2	0.31	-0.24	56	0.71	-0.82	46
Fort Benton	52	-10	23	+0	0.20	-0.47	30	1.35	-0.70	66
Goldbutte	55	-10	21	-1	0.39	-0.04	91	1.12	-0.32	78
Harlem	57	-19	17	+2	0.11	-0.36	23	0.75	-0.65	54
Havre	54	-11	22	+5	0.21	-0.32	40	0.52	-0.92	36
Malta	55	-11	21	+8	0.07	-0.34	17	1.07	-0.29	79
Rudyard	53	-11	21	+2	0.00	-0.60	0	0.13	-1.65	7
Shelby	49	-9	23	+1	0.08	-0.27	23	0.66	-0.54	55
Turner	51	-9	18	+5	0.06	-0.35	15	0.74	-0.62	54
Valier	55	-7	25	+4	0.05	-0.30	14	1.32	+0.12	110
NORTHEAST										
Bredette	44	-15	16	+3	0.18	-0.17	51	1.91	+0.64	150
Culbertson	48	-23	16	+3	0.11	-0.31	26	1.34	-0.26	84
Glasgow	48	-6	20	+6	0.06	-0.32	16	1.57	+0.30	124
Glendive	54	-10	22	+6	0.06	-0.40	13	1.11	-0.52	68
Jordan	67	-17	24	+6	0.15	-0.35	30	1.90	+0.30	119
Nashua	50	-12	18	+4	0.00	-0.38	0	1.47	+0.20	116
Opheim	45	-17	15	+4	0.32	+0.04	114	1.82	+0.79	177
Plentywood	44	-19	14	+2	0.04	-0.31	11	1.68	+0.39	130
St Marie	46	-6	19	+4	0.04	-0.34	11	1.60	+0.33	126
Scobey	42	-18	15	+2	0.47	+0.12	134	2.06	+0.79	162
Sidney	48	-10	20	+4	0.06	-0.44	12	1.32	-0.51	72
Wolf Point	50	-16	17	+1	0.02	-0.51	4	1.08	-0.69	61
CENTRAL										
Cascade	50	-11	26	+2	0.00	-0.58	0	1.52	-0.48	76
Grass Range	57	-4	26	+2	0.06	-0.60	9	2.88	+0.71	133
Great Falls	55	-11	28	+5	0.07	-0.78	8	1.36	-0.93	59
Harlowton	52	-7	24	-2	0.06	-0.40	13	2.99	+1.18	165
Helena	53	-1	29	+9	0.01	-0.58	2	1.63	-0.04	98
Lewistown	55	-7	26	+4	0.07	-0.86	8	1.70	-1.08	61
Martinsdale	52	-9	25	+1	0.00	-0.48	0	2.02	+0.30	117
Neihart	49	-13	23	+0	0.59	-0.52	53	2.92	-0.49	86
Rogers Pass	52	-14	26	+2	0.14	-0.41	25	2.10	+0.41	124
Roundup	58	-7	28	+3	0.10	-0.32	24	2.08	+0.43	126
Ryegate	52	-7	23	+3	0.25	-0.24	51	2.22	+0.54	132
Stanford	53	-12	27	+3	0.05	-0.60	8	2.39	+0.23	111
Townsend	56	-1	27	+3	0.01	-0.39	3	1.34	-0.15	90
Valentine	60	-7	22	+2	0.04	-0.48	8	1.78	+0.10	106
Wht Sulphur Spr	48	-4	23	+2	0.05	-0.83	6	1.66	-1.24	57
SOUTHWEST										
Boulder	46	-10	23	+2	0.13	-0.39	25	1.56	-0.01	99
Bozeman	50	-3	24	+0	1.10	+0.36	149	5.71	+2.18	162
Butte	46	-10	21	+4	0.22	-0.22	50	1.63	-0.03	98
Dillon	46	0	23	+1	0.44	+0.19	176	2.27	+0.95	172
Ennis	53	0	23	-2	0.68	+0.28	170	3.67	+1.68	184
Lakeview	46	-15	20	+7	1.40	+0.06	104	4.02	+0.00	100
W Yellowstone	44	-6	19	+7	2.76	+0.63	130	6.90	+1.30	123
Wisdom	44	-16	18	+3	1.42	+0.75	212	3.54	+1.45	169
SOUTH CENTRAL										
Billings	59	-1	29	+4	0.24	-0.55	30	3.15	+0.38	114
Cooke City	48	-2	22	+10	1.64	-0.55	75	4.09	-1.61	72
Gardiner	45	-1	23	-2	0.40	-0.20	67	2.30	+0.25	112
Hardin	62	-9	29	+10	0.03	-0.72	4	2.48	-0.48	84
Huntley	60	-11	26	+5	0.41	-0.22	65	3.02	+0.75	133
Hysham	61	-3	28	+6	0.13	-0.42	24	2.26	+0.20	110
Joliet	60	-6	24	-3	0.32	-0.35	48	3.30	+0.57	121
Livingston	56	-3	28	+0	0.37	-0.08	82	2.91	+0.41	116
Nye	52	-1	27	-3	0.18	-0.27	40	3.58	+1.08	143
Rapelje	56	-12	27	+3	0.28	-0.31	47	2.72	+0.20	108
SOUTHEAST										
Albion	57	-6	21	+3	0.36	-0.08	82	1.27	-0.57	69
Baker	57	-9	22	+4	0.12	-0.37	24	0.73	-1.16	39
Broadus	62	-9	25	+5	0.22	-0.37	37	1.09	-1.10	50
Ekalaka	55	-8	22	+1	0.37	-0.22	63	1.31	-1.04	56
Miles City	62	-5	25	+7	0.10	-0.54	16	0.51	-1.57	25
Plevna	57	-15	21	+3	0.15	-0.34	31	0.63	-1.26	33

Compiled by AWIS, Inc. based on NWS data. DFN - Departure from normal 1961-1990.